

Comparisons of Job Characteristics

Focus Occupation: **Carpenters (47-2031)**

Associated Occupation: **Electricians (47-2111)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Carpenters (47-2031)
Associated Occupation: Electricians (47-2111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	16.5	12.6	<<	Extensive education and/or training may be required
Building and Construction	4.0	14.6	17.5	>	Current knowledge level is likely sufficient
Mathematics	9.2	14.5	12.8	<	Expanded education and/or training may be required
Design	5.2	13.4	12.2	0	Current knowledge level may be sufficient
Administration and Management	8.4	12.2	10.2	<	Expanded education and/or training may be required
Engineering and Technology	5.7	11.8	7.9	<<	Extensive education and/or training may be required
Physics	4.3	10.9	4.6	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.4	2.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 55

Focus Occupation: Carpenters (47-2031)
Associated Occupation: Electricians (47-2111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Troubleshooting	4.5	12.3	6.3	<<	Extensive development of skills in this area may be required
Repairing	3.4	11.6	6.1	<<	Extensive development of skills in this area may be required

Quality Control Analysis	5.9	11.0	7.9	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.3	5.1	<<	Extensive development of skills in this area may be required
Installation	1.7	9.4	3.8	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.4	5.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 83			
Focus Occupation: Carpenters (47-2031) Associated Occupation: Electricians (47-2111)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	12.8	7.6	<<	Extensive improvement in abilities may be required
Visualization	7.5	12.2	11.3	0	Current ability level may be sufficient
Finger Dexterity	7.6	11.8	9.8	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.4	10.8	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.2	8.6	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	6.6	8.3	>	Current ability level is likely sufficient
Glare Sensitivity	2.6	5.9	5.3	<	Some improvement in abilities may be required
Sound Localization	2.2	5.3	4.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 60
Focus Occupation: Carpenters (47-2031) Associated Occupation: Electricians (47-2111)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Climb ladders, scaffolding, or utility or telephone poles	56	
Direct and coordinate activities of workers or staff	3	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Maintain records, reports, or files	5	
Move or fit heavy objects	8	
Order or purchase supplies, materials, or equipment	35	

Perform safety inspections in construction or resource extraction setting	46
Prepare reports	8
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 75

Focus Occupation: Carpenters (47-2031)
Associated Occupation: Electricians (47-2111)

Tools and Technologies	Exclusivity
Bandsaws and accessories	26
Business function specific software	1
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Face and head protection	7
Fastener setting tools	12
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Marking tools	11
Measuring and layout tools	3
Power generators	16
Power tools	2
Prying and bending tools	10
Respiratory protection	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.